

S.5 ACTIVITY OF INTEGRATION 2025.

SUBTOPIC: **PLANT HISTOLOGY.**

ITEM ONE

1A

Plants like Eucalyptus species normally grow and survive in windy areas and need to withstand mechanical stress.

Your colleague is unable to explain how the eucalyptus trees manage to overcome the above stress and has approached you for help.



TASK.

As a senior five learner who has studied plant histology, help your colleague to;

- i. Identify the tissues responsible for overcoming the mechanical stress in eucalyptus
- ii. Describe the structure of the cells identified in (a) above
- iii. explain the distribution of the above cells in the other plant regions.

ITEM 1 B

Kabanda a senior farmer in Lwengo on his way to home from garden picked a ripe mango and ate it from home.

After eating the mango, he realized that the inner layer that surrounded the seed was hard and stony and he wondered why it appeared like that. He has approached you for help to help him to understand why the part that surrounded the seed was hard and stony.



TASK

As a learner of Biology, help him to;

- i. identify the cells responsible for causing the part to become hard /stony
- ii. describe the structure of the cells identified above
- iii. tabulate the differences between the cells identified in **ITEM (a)** and **ITEM (b)** above.

